



1159 Business Park Drive, Traverse City, MI 49686

**Comparative Evaluation
2014 Chemistry - 3rd Event**

Customer No: **59761** Kit No: 1
 CLIA No: 05D2025714
 Address: Adam Rosendorff, MD
 Therasys, Inc. - CLIA Laboratory
 1601 S. California Avenue
 Palo Alto, CA 94304

This report shows the result you reported, expected result, mean, SD (Standard Deviation), SDI (Standard Deviation Interval), and your grade for each sample tested. The SDI compares your laboratory's result to the comparison group's mean and is defined as follows:

$$SDI = \frac{\text{Reported Result} - \text{Comparison Group Mean}}{\text{Comparison Group Standard Deviation}}$$

Analytes that are scored for CMS are designated by (**).

IMMUNOASSAY							
Analyte / Method	Sample	Reported Result	Expected Result	Mean	SD	SDI	Grade
CEA (Immunoassay) (ng/mL)	IA-05	25.6	20.6 - 30.2	25.39	1.58	0.1	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	39.9	29.2 - 46.7	37.94	2.89	0.7	Acceptable
DHEA-S (ug/dL)	IA-05	287.0	238.1 - 331.9	285.00	23.42	0.1	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	363.0	347.0 - 426.5	386.79	19.85	-1.2	Acceptable
Estradiol (pg/mL)	IA-05	217	197 - 260	228.3	15.6	-0.7	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	308	276 - 341	308.4	16.2	0.0	Acceptable
Estriol (unconjugated) (ng/mL)	IA-05	2.2	1.9 - 3.1	2.51	0.29	-1.1	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	3.6	2.8 - 4.5	3.67	0.40	-0.2	Acceptable
Ferritin (ng/mL)	IA-05	177	139 - 203	171.1	10.6	0.6	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	264	191 - 308	249.7	19.4	0.7	Acceptable
Folate (ng/mL)	IA-05	5.2	3.4 - 6.9	5.18	0.57	0.0	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	7.4	5.1 - 10.4	7.75	0.87	-0.4	Acceptable
FSH (mIU/mL)	IA-05	30.1	23.5 - 34.0	28.75	1.73	0.8	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	39.7	32.4 - 46.6	39.49	2.36	0.1	Acceptable
Homocysteine (umol/L)	IA-05	26.9	20.6 - 33.3	26.94	2.09	0.0	Acceptable
Siemens Advia Chem. Systems / Diazyme reagent	IA-06	37.7	26.6 - 45.4	36.00	3.11	0.5	Acceptable
Luteinizing Hormone (mIU/mL)	IA-05	34.7	28.8 - 43.5	36.15	2.45	-0.6	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	53.4	42.1 - 63.2	52.63	3.51	0.2	Acceptable
Prealbumin (mg/dL)	IA-05	16.2	12.9 - 23.0	17.99	1.76	-1.0	Acceptable
Siemens Advia Chem. Systems / Siemens Advia Chem Systems rgt	IA-06	21.3	17.3 - 29.0	23.18	2.29	-0.8	Acceptable
Progesterone (ng/mL)	IA-05	18.6	15.2 - 27.3	21.24	1.99	-1.3	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	25.2	21.2 - 34.6	27.90	2.23	-1.2	Acceptable
Prolactin (ng/mL)	IA-05	8.3	6.3 - 9.8	8.03	0.57	0.5	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	10.8	7.7 - 13.8	10.78	1.00	0.0	Acceptable
PSA (ng/mL)	IA-05	11.70	10.56 - 16.03	13.295	0.911	-1.8	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	17.50	16.04 - 21.92	18.978	0.979	-1.5	Acceptable
Testosterone (ng/mL)	IA-05	6.4	5.2 - 9.2	7.16	0.65	-1.2	Acceptable
Siemens Immulite 2000, XPi / Siemens Immulite reagent	IA-06	8.8	6.5 - 11.1	8.76	0.75	0.1	Acceptable
Transferrin (mg/dL)	IA-05	184	139 - 210	174.6	8.0	1.2	Acceptable
Siemens Advia Chem. Systems / Siemens Advia Chem Systems rgt	IA-06	243	181 - 273	226.8	10.4	1.6	Acceptable

IMMUNOASSAY - continued

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Vitamin B-12 (pg/mL)	IA-05	959	708 - 1,083	895.6	62.3	1.0	Acceptable
Siemens Immulite 2000, XPI / Siemens Immulite reagent	IA-06	> 1,000	759 - 1,136	947.7	62.6		Acceptable

MICROALBUMIN

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Microalbumin (quan) (mg/L)	MA-05	149.8	108.9 - 202.4	155.64	7.62	-0.8	Acceptable
Siemens DCA 2000+/DCA Vantage / Siemens DCA reagent	MA-06	28.5	20.5 - 38.3	29.39	2.23	-0.4	Acceptable
Urine Creatinine (quant) (mg/dL)	MA-05	219.6	180.6 - 271.0	225.76	8.57	-0.7	Acceptable
Siemens DCA 2000+/DCA Vantage / Siemens DCA reagent	MA-06	214.6	180.2 - 270.5	225.34	9.63	-1.1	Acceptable

TUMOR MARKERS

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Beta-2 Microglobulin (mg/L)	TM-05	0.800	see Data Summary				Not Graded ¹
Siemens Advia Chem. Systems / Siemens Advia Chem Systems rgt	TM-06	1.520	see Data Summary				Not Graded ¹
CA 125 (IU/mL)	TM-05	51.5	41.6 - 55.9	48.77	3.54	0.8	Acceptable
Siemens Immulite 2000,XPI,2500 / Siemens Immulite reagent	TM-06	88.7	66.5 - 97.2	81.81	7.65	0.9	Acceptable
CA 15-3 (IU/mL)	TM-05	80.7	73.9 - 121.1	97.49	11.78	-1.4	Acceptable
Siemens Immulite 2000,XPI,2500 / Siemens Immulite reagent	TM-06	127.0	114.9 - 170.0	142.46	13.77	-1.1	Acceptable
CEA (Tumor Markers) (ng/mL)	TM-05	12.7	11.7 - 14.1	12.93	0.38	-0.6	Acceptable
Siemens Immulite 2000,XPI,2500 / Siemens Immulite reagent	TM-06	22.1	19.5 - 25.7	22.57	1.02	-0.5	Acceptable
Free PSA (ng/mL)	TM-05	3.39	2.82 - 4.13	3.478	0.216	-0.4	Acceptable
Siemens Immulite 2000,XPI,2500 / Siemens Immulite reagent	TM-06	6.81	5.40 - 8.13	6.761	0.453	0.1	Acceptable
PSA (Tumor Markers) (ng/mL)	TM-05	4.61	3.68 - 5.66	4.668	0.329	-0.2	Acceptable
Siemens Immulite 2000,XPI,2500 / Siemens Immulite reagent	TM-06	8.56	7.44 - 11.02	9.232	0.596	-1.1	Acceptable
Thyroglobulin (ng/mL)	TM-05	8.3	5.7 - 9.3	7.53	0.87	0.9	Acceptable
Siemens Immulite 2000,XPI,2500 / Siemens Immulite reagent	TM-06	15.4	12.9 - 17.7	15.31	1.17	0.1	Acceptable

1 - < 10 Participants